U.S. Patent and Tradem
Under the Papervork Reduction Act of 1995, no persons are required to respond to a collection of informatic

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number		10538692
Filing Date		2005-06-10
First Named Inventor	Arun	Ramaswamy
Art Unit		1644
Examiner Name	Not Y	ret Assgined
Attorney Docket Numb	er	20004/82-US

	U.S.PATENTS Remove								
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear			
	1	4468807		1984-08-28	Moulton				
	2	4611347		1986-09-09	Netravali et al.				
	3	4843631		1989-06-27	Steinpichier et al.				
	4	4858000		1989-08-15	Lu				
	5	4993049		1991-02-12	Cupps				
	6	5063603		1991-11-05	Burt				
	7	5067160		1991-11-19	Omata et al.				
	8	5099324		1992-03-24	Abe				

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10538692	
INFORMATION DIGGI COURT	Filing Date		2005-06-10	
	First Named Inventor	Arun	Ramaswamy	
	Art Unit		1644	
(Examiner Name Not Y		Yet Assgined	
	Attorney Docket Number		20004/82-US	

9	5121201	1992-06-09	Seki	
10	5164992	1992-11-17	Turk et al.	
11	5229764	1993-07-20	Matchett et al.	
12	5412738	1995-05-02	Brunelli et al.	
13	5629752	1997-05-13	Kmjo	
14	5675663	1997-10-07	Koemer et al.	
15	5715325	1998-02-03	Bang et al.	
16	5719951	1998-02-17	Shackleton et al.	
17	5771307	1998-06-23	Lu et al.	
18	5781650	1998-07-14	Lobo et al.	
19	5801763	1998-09-01	Suzuki	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10538692	
	Filing Date		2005-06-10	
	First Named Inventor Arun		Ramaswamy	
	Art Unit		1644	
(Examiner Name Not Y		Yet Assgined	
	Attorney Docket Number		20004/82-US	

20	5805745	1998-09-08	Graf	
21	5835616	2006-11-10	Lobo et al.	
22	5850470	1998-12-15	Kung et al.	
23	5859921	1999-01-12	Suzuki	
24	5864630	1999-01-26	Cosatto et al.	
25	5878156	1999-03-02	Okumura	
26	5892837	1999-04-06	Luo et al.	
27	5901244	1999-05-04	Souma et al.	
28	5920641	1999-07-06	Ueberreiter et al.	
29	5963670	1999-10-05	Lipson et al.	
30	5978507	1999-11-02	Shackleton et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10538692	
INFORMATION DIGGI COURT	Filing Date		2005-06-10	
	First Named Inventor	Arun	Ramaswamy	
	Art Unit		1644	
(Examiner Name Not Y		Yet Assgined	
	Attorney Docket Number		20004/82-US	

31	5987154	1999-11-16	Gibbon et al.	
32	6055323	2000-04-25	Okumura	
33	6332033	2001-12-18	Cian	
34	6332038	2001-12-18	Funayama et al.	
35	6363159	2002-03-26	Rhoads	
36	6940545	2005-09-06	Ray et al.	
37	6944319	2005-09-13	Huang et al.	
38	3805238	1974-04-16	Rothfjell	
39	4644509	1987-02-17	Krewit et al.	
40	5384716	1995-01-24	Araki et al.	
41	4849737	1989-07-18	Krihata et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number		10538692
Filing Date		2005-06-10
First Named Inventor	Arun	Ramaswamy
Art Unit		1644
Examiner Name	Not Y	et Assgined
Attorney Docket Numb	er	20004/82-US

	42	5793409		1998-08-11	Tetsumura					
	43	4769697		1988-09-06	Gilley et al.					
	44	5031228		1991-07-09	Lu					
	45	5550928		1996-08-27	Lu et al.					
	46	5097328		1992-03-17	Boyette					
If you wis	h to a	dd additional U.S. Pater			ease click the Add button.		Add			
			U.S.P	ATENT APPLI	CATION PUBLICATIONS		Remove			
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Releva	Columns, nt Passag Appear	Lines where ges or Relevant		
	1	20030033600		2003-02-13	Cliff et al.					
	2	20050198661		2005-09-08	Collins et al.					
	3	20060062429		2006-03-23	Ramaswamy et al.			·		
If you wis	h to ac	dd additional U.S. Publis			n information please click the Add	d button	Add			
	FOREIGN PATENT DOCUMENTS Remove									

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number		10538692
Filing Date		2005-06-10
First Named Inventor	Arun	Ramaswamy
Art Unit		1644
Examiner Name	Not Y	et Assgined
Attorney Docket Numb	er	20004/82-US

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	Ts	
	1	WO 99/27688	wo		1999-06-03	Lu et al.			
If you wisi	h to a	dd additional Foreign F	Patent Docume	ent citation	information p	lease click the Add butto	n Add		
			NON-PAT	TENT LITE	RATURE DO	CUMENTS	Remove		
Examiner Initials*	Cite No		mal, serial, sy	mposium,	catalog, etc),	the article (when approp date, pages(s), volume-i		Τŝ	
	1	Duda and Hart, "Bayes	Decision Theor	ry*, Pattem	Classification &	Scene Analysis, pp. 10-43	3, Wiley Publishers, 1973.	_	
	2	International Preliminary Examination Report corresponding to International Application No. PCT/US2002/039825, April 27, 2004, 4 (apple).							
	3	Ong et al. "Histogram Based Fuzzy C - Mean Algorithm For Image Segmentation," Pattern Recognition, 1992. Vol. III. Conference C: Image, Speech and Signal Analysis, Proceedings., 11th IAPR International Conference, August 30 - Segmenter 2, 1992. Wolfram, Stephen, "Mathematics A System for Doing Mathematics by Computer", 26 Ed., Addison-Wesley Publishing Company, Im., 1991, pp. 665-666.							
	4								
	5 "Convex Hull", http://www.cse.unsw.edu.au/-lambertijava/3d/ConvexHull.html, downloaded November 6, 2002.								
"What is convex hulf? What is the convex hulf problem?," http://www.ifor.math.ethz.ch/-fu/suda/polyfaq/node13.ht conribaded November 6, 2002.							da/polyfaq/node13.html,		
7 "1.6.2 Convex Hull," http://www.cs.sunysb.edu/-signithfiles/convex-hull.shtml, downloaded November 6, 2002.									

	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10538692	
		Filing Date		2005-06-10	
П		First Named Inventor	Arun	run Ramaswamy	
		Art Unit		1644	
		Examiner Name	Not Y	Not Yet Assgined	
		Attorney Docket Numb	er	20004/82-US	

8	International Search Report corresponding to International Application No. PCT/US2002/039625, June 20, 2003, 5 pages.	

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

EXAMINER SIGNATURE

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

See Kind Code of USPTO Petent Documents at swer USPTO, GOLV or MPEP 96164. * Enter office that issued he document, by the involvator ock (MPO Standard ST3.) ** The planesee petent documents, the orbidation of the year of the register or many precede the setal number of the patent document.

Invited of coursent by the appropriate symbols as endicated on the document under WIPO Standard ST3. The possible. **Applicant is to place a check mark here if English languages translation is altituded.**

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number		10538692
Filing Date		2005-06-10
First Named Inventor	Arun Ramaswamy	
Art Unit		1644
Examiner Name	Not Y	et Assgined
Attorney Docket Number		20004/82-US

CERTIFICATION STATEMENT

Please see 37	CFR 1.9	7 and 1.98 to	make the appro	opriate selection(s):
---------------	---------	---------------	----------------	-----------------------

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 3.7 CFR 1.97(eVI.)

OR

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquity, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 15(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 197(e).

- See attached certification statement.
- Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- 7 None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/James A. Flight/	Date (YYYY-MM-DD)	2006-07-11		
Name/Drint	Ismae A Elight	Registration Number	37622		

This collection of information is required by 3T CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is foll field and by the USPTO to process) an application. Confidentiality is governed by \$5 U.S. C.12 and 3T CFR.

1.14. This collection is estimated to take if hour to complete, including gathering, preparing and submitting the completed application from the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patient and Trademark Office, U.S. Operatment of Commence, P. O. Box 1430, Alexandriu, V.S. 2213.1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, V.2.2313.1450.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patient application or patient. Accordingly, pursuant to the requirements of the Act, please be advised that. (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) famishing of the information solicided is voluntary, and (3) the principal purpose for which the information is used by the U.S. Patient and Trademan Kolfice is to process another examine your submission relation to a patient application or patient. If you do not furnish the requested process another examine your submission relation to a patient application or patient. If you do not furnish the requested the process another examine your submission, which may visually intermediate or of redesting to a submission or the basic log process another examines your submission, which may visually intermediate or of redesting to a submission or the submission or the submission of the submission or the submission of the submission of the submission or the submission of the submission or the submission of the submission or the submission of the submission or the

The information provided by you in this form will be subject to the following routine uses:

- The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.
 - A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement neodiations.
 - A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record partains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
 - A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974. as amended, pursuant to 5 U.S.C. 552a(m.).
 - A record related to an International Application filed under the Patent Cooperation Treaty in this system of records
 may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant
 to the Patent Cooperation Treaty.
 - A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or hisher designe, cuting an inspection of records concluded by GSAs and of that agency's responsibility to recommend improvements in records management practices and programs, under suthority of 4d U.S.C. 2004 and 2006. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S. C. 12(b) or issuance of a patient pursuant to 35 U.S. C. 15.1 Further, a record may be disclosed, subject to the limitations of 37 CFR.114, as a routine use, to the public if the record via flori of mapplication which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inseptions or an issued patient.
 - A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.